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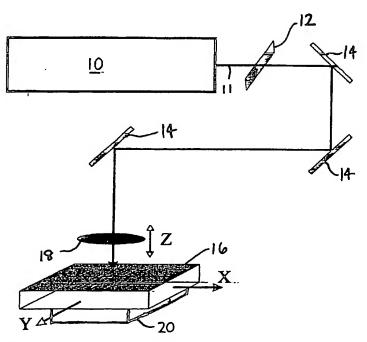
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(54) Title: OPTICALLY INDUCED REFRACTIVE INDEX MODIFICATION IN FERROELECTRIC OPTICAL



(57) Abstract: A method of inducing refractive index modifications in ferroelectric materials through the application of light in the form of scanned or patterned irradiation, removing the light to leave a permanent refractive index modified structure. This method can be used to design and engineer surface or near-surface structures in the form of waveguides, junctions, splitters and couplers, for application in optical circuitry, integrated optics, and active waveguide devices.

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